

Converting Colors

$Y_{xy}(29.7685, 0.3065, 0.5922)$

Have a look what the booklet for
Yxy(29.7685, 0.3065, 0.5922)
contains.

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Color

Yxy(29.8583, 0.3063, 0.5921)

Conversions

Conversions Part 1

Format	Color
Hex	22AC06
RGB	34, 172, 6
RGB Percent	13%, 67%, 2%
CMY	0.8666, 0.3255, 0.9761
CMYK	0.80, 0.00, 0.96, 0.33
HSL	110°, 93%, 35%
HSV	110°, 96%, 67%
XYZ	15.4460, 29.8583, 5.1235
YIQ	111.8140, -28.9620, -80.8820

Conversions

Conversions Part 2

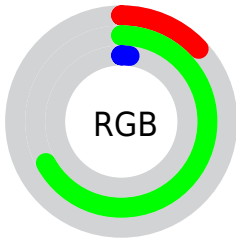
Format	Color
R _{YB}	6, 172, 144
Decimal	2272262
CIE Lab	61.53, -61.34, 61.47
CIE LCh	62, 86.837, 134.937
Yxy	29.8583, 0.3063, 0.5921
Android (android.graphics.Color)	4280462342 (0xFF22AC06)
YUV	111.8140, -52.1663, -68.2429
Hunter-Lab	54.6427, -45.1677, 32.6907

Details

The Yxy color **29.8583, 0.3063, 0.5921** is a dark color, and the websafe version is hex **009900**. A complement of this color would be **9.0457, 0.2804, 0.1333**, and the grayscale version is **16.3137, 0.3127, 0.3290**.

A 20% lighter version of the original color is **59.6246, 0.3166, 0.5353**, and **12.9569, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **29.7664, 0.3054, 0.5957**, and if you desaturate by 10%, it is **30.2051, 0.3096, 0.5791**.

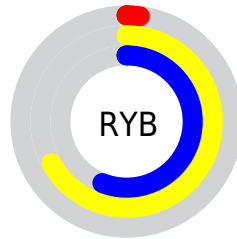
Distribution



Red (13%)

Green (67%)

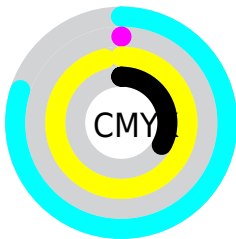
Blue (2%)



Red (2%)

Yellow (67%)

Blue (56%)

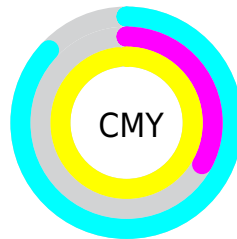


Cyan (80%)

Magenta (0%)

Yellow (96%)

Black (33%)



Cyan (87%)


Magenta (33%)

Yellow (98%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 29.8583, 0.3063, 0.5921 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the Yxy color 29.8583, 0.3063, 0.5921 by changing the saturation by 10% instead.


 29.8583, 0.3063,
0.5921


 29.8583, 0.3063,
0.5921


301.2434, 0.3223,
0.4426


 19.7311, 0.2954,
0.6322


 59.4380, 0.3166,
0.5347


 12.1997, 0.2769,
0.6834


 79.6593, 0.3190,
0.5139


 6.8798, 0.2464,
0.7536


 104.0140, 0.3205,
0.4967

 3.3871, 0.1849,
0.8151

 132.8866, 0.3214,
0.4822

 1.3370, 0.0000,
1.0000

 166.6614, 0.3219,
0.4700

 0.1696, 0.0000,
1.0000


 205.7229, 0.3222,


 0.0000, 0.0000,

0.4596


0.0000


 250.4554, 0.3223,
0.4505


 29.8583, 0.3063,
0.5921


 29.8583, 0.3063,
0.5921


 29.7664, 0.3054,
0.5957

 30.2051, 0.3096,
0.5791

 30.7070, 0.3125,
0.5588

 31.3832, 0.3147,
0.5320

 32.2486, 0.3161,
0.5008

 33.3163, 0.3168,
0.4674

■ 34.5983, 0.3167,
0.4338

■ 36.1055, 0.3160,
0.4017

■ 37.8483, 0.3150,
0.3719

■ 39.8362, 0.3137,
0.3449

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



29.8583, 0.4223, 0.5470



29.8583, 0.3063, 0.5921



29.8583, 0.1973, 0.4939

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



29.8583, 0.3063, 0.5921



29.8583, 0.1192, 0.1547



29.8583, 0.5334, 0.2866

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



29.8583, 0.3063, 0.5921



9.0457, 0.2804, 0.1333

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



29.8583, 0.4045, 0.2174



29.8583, 0.3063, 0.5921



29.8583, 0.1686, 0.1460

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



29.8583, 0.3063, 0.5921



29.8583, 0.1055, 0.2042



29.8583, 0.2642, 0.1677



29.8583, 0.5736, 0.3636

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



29.8583, 0.3063, 0.5921



29.8583, 0.1450, 0.3747



29.8583, 0.2642, 0.1677



29.8583, 0.4974, 0.2623

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



29.8595, 0.3063, 0.5921



64.6186, 0.3163, 0.4113



28.0066, 0.4531, 0.4760



13.7983, 0.3165, 0.4246



86.8899, 0.3127, 0.3290



16.2647, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



29.8595, 0.3063, 0.5921



53.9346, 0.3046, 0.5963



29.8569, 0.2864, 0.5479



9.0018, 0.3140, 0.3522



22.1675, 0.3058, 0.5954



0.6357, 0.3235, 0.5813

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



9.0457, 0.2804, 0.1333



15.9196, 0.2781, 0.1306



10.2460, 0.4155, 0.2083



8.0788, 0.3112, 0.3065



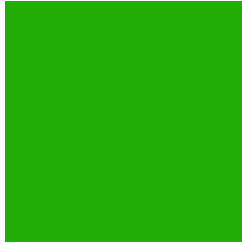
6.5852, 0.2793, 0.1312



0.2010, 0.2927, 0.1386

Previews

White Background



This preview shows how the Yxy color 29.8583, 0.3063, 0.5921 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

Black Background



This preview shows how the Yxy color 29.8583, 0.3063, 0.5921 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 29.8583, 0.3063, 0.5921

Background



This preview shows how black text looks on a background with the Yxy color 29.8583, 0.3063, 0.5921.



This preview shows how white text looks on a background with the Yxy color 29.8583, 0.3063, 0.5921.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

29.8583, 0.3063, 0.5921

Protanopia

29.2868, 0.4396, 0.4892

Deuteranopia

29.2040, 0.4590, 0.4511



Tritanopia

29.7784, 0.2395, 0.3067

Trichromacy



Original Color

29.8583, 0.3063, 0.5921



Protanomaly

27.9699, 0.3762, 0.5386



Deuteranomaly

27.2769, 0.3887, 0.5141



Tritanomaly

28.7449, 0.2720, 0.4300

Monochromacy



Original Color

29.8583, 0.3063, 0.5921



Achromatopsia

16.2029, 0.3127, 0.3290



Achromatomaly

19.4161, 0.3176, 0.4607

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.8583, 0.3063, 0.5921 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(34, 172, 6)` looks like.

```
.text, #text, p{  
    color:rgb(34, 172, 6)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(34, 172, 6) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(34, 172, 6) }
```

Border

The CSS property to change the border of an element to Yxy 29.8583, 0.3063, 0.5921 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(34, 172, 6) }
```

If only the border color should be changed use the property border-color.

```
.border{ border-color:rgb(34, 172, 6) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel rgb(34, 172, 6) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(34, 172, 6); -webkit-box-  
shadow:4px 4px 4px 4px rgb(34, 172, 6);  
box-shadow:4px 4px 4px 4px rgb(34, 172, 6)  
}
```


Background

The CSS property to change the background color of an element to Yxy 29.8583, 0.3063, 0.5921 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(34, 172, 6) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(34, 172,  
6) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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